

## ASN HDU Home Dialysis Education Virtual Series: Faculty Guide Session 4 Cases

**Virtual Series Website:** Contains links to all Zoom Sessions, recordings, faculty bios, virtual series schedule, home dialysis resource links

<https://epc.asn-online.org/projects/home-dialysis-university/>

### Virtual Series Contacts:

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### Session 4: Home dialysis training

#### Topics:

- Training techniques and strategies for success.
- Infrastructure (water, home evaluation).
- Taking a patient from home assessment to home dialysis.

**Q1:** *Mr. Juan Soto is a young man with CKD5 who is moving to New York City from San Diego for work. He knows he is going to have to start dialysis soon and is extremely interested in dialyzing at home in your program. He has yet to sign a rental agreement in NY and wants your opinion on what he should be looking for in order to make sure he will be able to do home dialysis.*

**Q2:** *With your help, Mr. Soto has decided on a home. Your biomed technician has gone there and said it is appropriate for both PD and HHD.*

*Mr. Soto has to start work in early April and wants to know how long training in each of the modalities is expected to take. He doesn't have any surgical contraindications for a PD catheter, and his excellent nephrologist in San Diego convinced him to have a fistula placed 6 months ago – it is ready for use.*

*What are the typical durations of training for both of the home modalities?*

**Q3:** *Your program has a new nurse whose eyes are wide when she realizes all the things a home patient has to learn. She is wondering if there are some resources so she can get a sense of what she will be teaching, and also how to conceptualize training to get a patient home quickly and safely.*

**Q4:** *Mr. Soto is using the most commonly used HHD device in the US, the low flow dialysate device from NxStage in conjunction with the Pureflow SL dialysate production system. The home program is responsible for ensuring the appropriate testing of the water used for dialysate production and the dialysate itself.*

*What sample sources are used for tested and what are they tested for?*

**Q5:** *Another patient under your care on peritoneal dialysis develops peritonitis and after receiving appropriate intraperitoneal antibiotics and oral fungal prophylaxis the primary RN performs a home visit and subsequently suggests re-training the patient on sterile connect and disconnect technique after observing him perform these procedures in his home.*

*What are some of the indications for re-training home dialysis patients?*

**Q6:** *This extremely motivated training nurse succeeds in training Juan Soto on home hemodialysis. Juan is very happy doing home hemodialysis and working in his new job in the Bronx. However, the nurse has managerial ambitions and thinks that it would be a good idea to set up some data collection to monitor the effectiveness of her and her fellow nurses' training. What are some useful metrics that she could track?*